

CERTIFICATE UNDER 37 CFR §3.73(b)

Microsoft Corporation hereby certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor filed August 30, 1995 recorded on Reel 7747, Frames 0321-0324. To the best of my knowledge and belief, title is in Microsoft Corporation, the assignee.

Pursuant to 37 C.F.R. §3.73(b) I hereby declare that I, Daniel D. Crouse, am empowered to sign this certificate on behalf of Microsoft Corporation, the assignee.

I hereby declare that all statement made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true.


Please direct all correspondence in this case to:

Schwegman, Lundberg, Woessner & Kluth, P.A.
P.O. Box 2938
Minneapolis, MN 55402
Telephone No. (612)373-6900

Date

MAY 19, 2000

By



Name: Daniel D. Crouse

Title: Assistant Secretary

JCE13 U.S. PRO

09/730375



12/05/00

005027" S/E0E250